AMENDMENTS TO THE SPECIFICATION

Please replace the paragraphs at page 23 line 25 to page 30 line 16 with the following paragraphs:

For Figure 5:

cytochrome c oxidase subunit Vic sense oligo

5'-NH2-ctgtttgtcactgggtgacctcccgtccttgtgggcgctccacgggccctggtctacgggccttcatgag-3' (SEQ ID NO: 1)

Beta actin sense oligo

5'-NH2-tggaacggtgaaggtgacagcagtcggttggagcgagcatcccccaaagttcacaatgtggccgaggact-3; (SEQ ID NO: 2)

For Figure 6:

CAPTURE SEQUENCES:

- 1 (glutamyl-prolyl-tRNA synthetase): gagggtttccaggtttatattcctggccagttttctccttatattcagct-NH2 (SEQ ID NO: 3)
- 2 (Homo sapiens cDNA clone IMAGE:4093756, partial cds): acacatecgteteetetgegatataaceaaatggtgtttgacggttgaat-NH2 (SEQ ID NO: 4)
- 2B: ttaatgtttctaacaaagcgtatcatgcaaacggagattagaggttatac-NH2 (SEQ ID NO: 5)
- 3 (hypothetical protein FLJ14668): taagggagtcagctcatcctagcccaagttgcttactttttctcccttga-NH2 (SEQ ID NO: 6)
- 4 (3-ketoacyl CoA thiolase beta-subunit of mitochondrial trifunctional protein, exon 8, 9, 10):

ccgtagggcttgatgaatgcaggttttagtttggccatctgctccagtga-NH2 (SEQ ID NO: 7)

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5 (chromatin assembly factor 1, subunit B (p60)):
tgtgtgcactttcacgaggatgccagggaggactcactgattttcacact-NH2 (SEQ ID NO: 8)
5B: atactetaaaattegacagagtaaaateteaaattacttteteatettee-NH2 (SEQ ID NO: 9)
6 (transcription factor 3, TCF3):
actgctgtttcttcctcctcgcgctgggtgaatctcgtttgaattctatg –NH2 (SEQ ID NO: 10)
7 (cDNA FLJ37123 fis):
cggaagttggaggcgtcatgcagcgcctcctgcctgggagccaggcgatc-NH2 (SEQ ID NO: 11)
7S:
NH2-atcgcctggctcccaggcaggaggcgctgcatgacgcctccaacttccg (SEQ ID NO: 12)
8 (adenosine monophosphate deaminase 2, isoform L):
aacaccactcccggggttgagtggcagatccaggactttgcagcaactgt-NH2 (SEQ ID NO: 13)
8B: tatgaaacactgcagttcacagcaaaggcctcagtccagaacacaacata-NH2 (SEQ ID NO: 14)
9 (chromatin assembly factor 1, subunit B (p60)):
tgtgtgcactttcacgaggatgccagggaggactcactgattttcacact-NH2 (SEQ ID NO: 15)
10 (isoleucine-tRNA synthetase):
tgtaacctgctcccaacatgactgcataggtgtctaaggttaagtgtgaa-NH2 (SEQ ID NO: 16)
11 (seryl-tRNA synthetase):
tggtttcatcagtcatcaatgatgggtccctatgcccatgcgaggagaca-NH2 (SEQ ID NO: 17)
12 (Ribosomal Protein L32):
tactcattttcttcactgcgcagcctggcattggggttggtgactctgat-NH2 (SEQ ID NO: 18)
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13 (actin, beta):
actgggccattctccttagagagaagtggggtggcttttaggatggcaag-NH2 (SEQ ID NO: 19)
13S:
NH2-ttgccatcctaaaagccaccccacttctctctaaggagaatggcccagt (SEQ ID NO: 20)
14 (ubiquitin B):
atcttggccttcacattttcgatggtgtcactgggctccacctccagagt-NH2 (SEQ ID NO: 21)
For Figure 7:
CAPTURE SEQUENCES:
1 (glutamyl-prolyl-tRNA synthetase):
gagggtttccaggtttatattcctggccagttttctccttatattcagct-NH2 (SEQ ID NO: 3)
2 (Homo sapiens cDNA clone IMAGE:4093756, partial cds):
acacatccgtctcctctgcgatataaccaaatggtgtttgacggttgaat-NH2 (SEQ ID NO: 4)
2B: ttaatgtttctaacaaagcgtatcatgcaaacggagattagaggttatac-NH2 (SEQ ID NO: 5)
3 (hypothetical protein FLJ14668):
taagggagtcagctcatcctagcccaagttgcttactttttctcccttga-NH2 (SEQ ID NO: 6)
4 (3-ketoacyl CoA thiolase beta-subunit of mitochondrial trifunctional protein, exon 8, 9,
10):
ccgtagggcttgatgaatgcaggttttagtttggccatctgctccagtga-NH2 (SEQ ID NO: 7)
5 (chromatin assembly factor 1, subunit B (p60)):
tgtgtgcactttcacgaggatgccagggaggactcactgattttcacact-NH2 (SEQ ID NO: 8)
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5B: atactetaaaattegacagagtaaaateteaaattacttteteatettee-NH2 (SEQ ID NO: 9)
6 (transcription factor 3, TCF3):
actgctgtttcttcctcctcgcgctgggtgaatctcgtttgaattctatg -NH2 (SEQ ID NO: 10)
7 (cDNA FLJ37123 fis):
cggaagttggaggcgtcatgcagcgcctcctgcctgggagccaggcgatc-NH2 (SEQ ID NO: 11)
7S:
NH2-atcgcctggctcccaggcaggaggcgctgcatgacgcctccaacttccg (SEQ ID NO: 12)
8 (adenosine monophosphate deaminase 2, isoform L):
aacaccactcccggggttgagtggcagatccaggactttgcagcaactgt-NH2 (SEQ ID NO: 13)
8B: tatgaaacactgcagttcacagcaaaggcctcagtccagaacacaacata—NH2 (SEQ ID NO: 14)
9 (chromatin assembly factor 1, subunit B (p60)):
tgtgtgcactttcacgaggatgccagggaggactcactgattttcacact-NH2 (SEQ ID NO: 15)
10 (isoleucine-tRNA synthetase):
tgtaacctgctcccaacatgactgcataggtgtctaaggttaagtgtgaa-NH2 (SEQ ID NO: 16)
11 (seryl-tRNA synthetase):
tggtttcatcagtcatcaatgatgggtccctatgcccatgcgaggagaca-NH2 (SEQ ID NO: 17)
12 (Ribosomal Protein L32):
tactcattttcttcactgcgcagcctggcattggggttggtgactctgat-NH2 (SEQ ID NO: 18)
13 (actin, beta):
actgggccattctccttagagagaagtggggtggcttttaggatggcaag-NH2 (SEQ ID NO: 19)
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13S:
NH2-ttgccatcctaaaagccaccccacttctctctaaggagaatggcccagt (SEQ ID NO: 20)
14 (ubiquitin B):
atcttggccttcacattttcgatggtgtcactgggctccacctccagagt-NH2 (SEQ ID NO: 21)
For Figure 8:
CAPTURE SEQUENCES
1 (glutamyl-prolyl-tRNA synthetase):
gagggtttccaggtttatattcctggccagttttctccttatattcagct-NH2 (SEO ID NO: 3)
2 (Homo sapiens cDNA clone IMAGE:4093756, partial cds):
acacatccgtctcctctgcgatataaccaaatggtgtttgacggttgaat-NH2 (SEQ ID NO: 4)
2B: ttaatgtttctaacaaagcgtatcatgcaaacggagattagaggttatac-NH2 (SEQ ID NO: 5)
3 (hypothetical protein FLJ14668):
taagggagtcagctcatcctagcccaagttgcttactttttctcccttga-NH2 (SEQ ID NO: 6)
4 (3-ketoacyl CoA thiolase beta-subunit of mitochondrial trifunctional protein, exon 8, 9,
10):
ccgtagggcttgatgaatgcaggttttagtttggccatctgctccagtga-NH2 (SEQ ID NO: 7)
5 (chromatin assembly factor 1, subunit B (p60)):
tgtgtgcactttcacgaggatgccagggaggactcactgattttcacact-NH2 (SEQ ID NO: 8)
5B: atactetaaaattegacagagtaaaateteaaattacttteteatettee-NH2 (SEO ID NO: 9)
6 (transcription factor 3, TCF3):
actgctgtttcttcctcctcgcgctgggtgaatctcgtttgaattctatg –NH2 (SEQ ID NO: 10)
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7 (cDNA FLJ37123 fis):
cggaagttggaggcgtcatgcagcgcctcctgcctgggagccaggcgatc-NH2 (SEQ ID NO: 11)
7S:
NH2-atcgcctggctcccaggcaggaggcgctgcatgacgcctccaacttccg (SEQ ID NO: 12)
8 (adenosine monophosphate deaminase 2, isoform L):
aacaccactcccggggttgagtggcagatccaggactttgcagcaactgt-NH2 (SEQ ID NO: 13)
8B: tatgaaacactgcagttcacagcaaaggcctcagtccagaacacaacata-NH2 (SEQ ID NO: 14)
9 (chromatin assembly factor 1, subunit B (p60)):
tgtgtgcactttcacgaggatgccagggaggactcactgattttcacact-NH2 (SEQ ID NO: 15)
10 (isoleucine-tRNA synthetase):
tgtaacctgctcccaacatgactgcataggtgtctaaggttaagtgtgaa-NH2 (SEQ ID NO: 16)
11 (seryl-tRNA synthetase):
tggtttcatcagtcatcaatgatgggtccctatgcccatgcgaggagaca-NH2 (SEQ ID NO: 17)
12 (Ribosomal Protein L32):
tactcattttcttcactgcgcagcctggcattggggttggtgactctgat-NH2 (SEQ ID NO: 18)
13 (actin, beta):
actgggccattctccttagagagaggtgggtgttttaggatggcaag-NH2 (SEQ ID NO: 19)
13S:
NH2-ttgccatcctaaaagccacccacttctctctaaggagaatggcccagt (SEQ ID NO: 20)
14 (ubiquitin B):
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atcttggccttcacattttcgatggtgtcactgggctccacctccagagt-NH2 (SEQ ID NO: 21)

For Figure 9:

Capture oligos were AarrayControl Sense oligo Spots 1-8 (sequence not available) (Cat#1781, Ambion, Austin, Texas, USA)

The detection probe oligonucleotides designed to detect target RNA sequences comprise a steroid disulfide linker at the 5'-end followed by the recognition sequence. The sequences for the probes are described:

For Figure 1:

5'-S-aaaaaaaaaaaaaaaaaA-3' (SEQ ID NO: 22)

For Figure 2:

For Figure 3:

For Figure 4:

For Figure 5:

5'-S-ttttttttttttttttt-3' (SEQ ID NO: 23)

For Figure 6:

5'-S-ttttttttttttttttt-3' (SEQ ID NO: 23)

For Figure 7:

5'-S-ttttttttttttttttt-3' (SEQ ID NO: 23)

For Figure 8:

5'-S-ttttttttttttttttt-3' (SEQ ID NO: 23)

For Figure 9:

5'-S-tttttttttttttttttt-3' (SEQ ID NO: 23)

S indicates a connecting unit prepared via an epiandrosterone disulfide group;

Please replace the paragraphs at page 31 line 30 to page 32 line 16 with the following paragraphs:

Figure 1 Probe: gold-S'-5'-aaaaaaaaaaaaaaaaaaaaaaa' (SEQ ID NO: 22)

Figure 3 Probe: gold-S'-5'- aaaaaaaaaaaaaaaaaaaaa -3'(SEQ ID NO: 22)

Figure 5 Probe: gold-S'-5'-tttttttttttttttttt-3' (SEQ ID NO: 23)

Figure 6 Probe: gold-S'-5'-ttttttttttttttttttttt-3' (SEQ ID NO: 23)

Figure 7 Probe: gold-S'-5'-tttttttttttttttttttttt-3' (SEQ ID NO: 23)

Figure 8 Probe: gold-S'-5'-ttttttttttttttttttttt-3' (SEQ ID NO: 23)

Please replace the paragraph at page 33 line 28 to page 34 line 8 with the following paragraph:

 the 6 RNA targets to generate a target concentration gradient. For example, in one tube, 100ng RNA-1, 10ng RNA-2, 10ng RNA-3, 1ng RNA-4, 0.1ng RNA-5 and 0ng RNA-6 were mixed together and labeled with Cy3. In another tube, 0.1ng RNA-1, 1ng RNA-2, 10ng RNA-3, 10ng RNA-4, 100ng RNA-5 and 0ng RNA-6 were mixed together and labeled with Cy5. The purified labeled targets of each tube were diluted in final volume of 50ul.